

- 1 **Claim 1. (cancelled)**
- 1 **Claim 2. (cancelled)**
- 1 **Claim 3. (cancelled)**
- 1 **Claim 4. (cancelled)**
- 1 **Claim 5. (cancelled)**
- 1 **Claim 6. (cancelled)**
- 1 **Claim 7. (cancelled)**
- 1 **Claim 8. (cancelled)**
- 1 **Claim 9. (cancelled)**
- 1 **Claim 10. (cancelled)**
- 1 **Claim 11. (cancelled)**
- 1 **Claim 12. (cancelled)**
- 1 **Claim 13. (cancelled)**
- 1 **Claim 14. (cancelled)**
- 1 **Claim 15. (cancelled)**
- 1 **Claim 16. (cancelled)**

1 **Claim 17. (cancelled)**

1 **Claim 18. (cancelled)**

1 **Claim 19. (cancelled)**

1 **Claim 20. (cancelled)**

1 **Claim 21. (cancelled)**

1 **Claim 22. (cancelled)**

1 **Claim 23. (cancelled)**

1 **Claim 24. (cancelled)**

1 **Claim 25. (cancelled)**

1 **Claim 26. (cancelled)**

1 **Claim 27. (cancelled)**

1 **Claim 28. (cancelled)**

1 **Claim 29. (new)** A combination of compounds formulated to coat the inside
2 of a fluorescent lamp to emit light having a spectral distribution to enhance
3 effective pupil lumens comprising: strontium boride, yttrium oxide, barium
4 yttrium oxide, europium, terbium, barium borate and calcium having a peak
5 luminescence in the scotopic range, wherein the percentages by weight of

6 the combination of compounds are about 46 percent strontium boride,
7 about 24 percent each of yttrium oxide and barium yttrium oxide, about 2
8 percent each of europium and terbium, and about 1 percent each of barium
9 borate and calcium.

1 **Claim 30. (new)** The combination of compounds of Claim 29 wherein the
2 effective pupil lumens per watt is at least about 44.509.

1 **Claim 31. (new)** The combination of compounds of Claim 30 wherein the
2 scotopic lumen to the photopic lumen ratio is about 2.31.

1 **Claim 32. (new)** The combination of compounds of Claim 29 where the
2 effective pupil lumens per watt is about 45.

1 **Claim 33. (new)** The combination of compounds of Claim 29 wherein the
2 major peak is between 490 and 560 nanometers.

1 **Claim 34. (new)** The combination of compounds of Claim 33 wherein the
2 minor peak is between 590 and 630 nanometers.

1 **Claim 35. (new)** The combination of compounds of Claim 34 wherein the
2 trough is between 560 and 590 nanometers.